```
=> d his full

      (FILE 'HOME' ENTERED AT 15:34:28 ON 04 JUN 2007)

      FILE 'CASREACT' ENTERED AT 15:34:46 ON 04 JUN 2007
L1              STRUCTURE UPLOADED
L2            0 SEA SSS SAM L1 (       0 REACTIONS)


      FILE 'REGISTRY' ENTERED AT 15:35:40 ON 04 JUN 2007
L3              STRUCTURE UPLOADED
L4            1 SEA SSS SAM L3
                D SCA
L5.         114 SEA SSS FUL L3
                SAVE TEMP L5 CUT160STR3L/A
L6.             STRUCTURE UPLOADED      '
L7              STRUCTURE UPLOADED
L8              STRUCTURE UPLOADED
                D L7
                D L8
L9            2 SEA SUB=L5 SSS SAM L6
                D SCA
L10           5 SEA SUB=L5 SSS SAM L7
                D SCA


      FILE 'CASREACT' ENTERED AT 15:43:45 ON 04 JUN 2007
L11         488 SEA ABB=ON  PLU=ON  L5
L12           0 SEA SUB=L11 SSS SAM L1 (       0 REACTIONS)
L13           3 SEA SUB=L11 SSS FUL L1 (       3 REACTIONS)
                D SCA
L14      207124 SEA ABB=ON  PLU=ON  ANY/CAT
                D STAT QUE L13


      FILE 'REGISTRY' ENTERED AT 15:46:22 ON 04 JUN 2007

      FILE 'CASREACT' ENTERED AT 15:46:37 ON 04 JUN 2007
L15             TRA PLU=ON  L13 1- SOL :        2 TERMS

      FILE 'REGISTRY' ENTERED AT 15:46:42 ON 04 JUN 2007
L16           0 SEA ABB=ON  PLU=ON  L15
L17           2 SEA ABB=ON  PLU=ON  L15/RN
                D SCA
                D RN L17 1-2


      FILE 'CASREACT' ENTERED AT 15:47:45 ON 04 JUN 2007
L18        2955 SEA ABB=ON  PLU=ON  108-90-7/SOL
L19       93669 SEA ABB=ON  PLU=ON  64-17-5/SOL
L20           2 SEA ABB=ON  PLU=ON  L13 (L) (L18 OR L19)
                D SCA


      FILE 'REGISTRY' ENTERED AT 15:48:51 ON 04 JUN 2007
                D STAT QUE L9
                D STAT QUE L10
L21          19 SEA SUB=L5 SSS FUL L6
L22          75 SEA SUB=L5 SSS FUL L7


      FILE 'STNGUIDE' ENTERED AT 15:50:59 ON 04 JUN 2007

      FILE 'ZCAPLUS' ENTERED AT 16:05:05 ON 04 JUN 2007
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L23          50 SEA ABB=ON   PLU=ON   L21/P
L24     2985587 SEA ABB=ON   PLU=ON   (RACT OR RGT OR RCT)/RL
L25        1216 SEA ABB=ON   PLU=ON   L22 (L) L24
L26          17 SEA ABB=ON   PLU=ON   L23 AND L25
L27     4411618 SEA ABB=ON   PLU=ON   PREP/RL
L28          50 SEA ABB=ON   PLU=ON   L21 (L) L27
L29          17 SEA ABB=ON   PLU=ON   L25 AND L28


     FILE 'REGISTRY' ENTERED AT 16:06:49 ON 04 JUN 2007
                 D COST
L30          24 SEA ABB=ON   PLU=ON   CL2/MF
L31          17 SEA ABB=ON   PLU=ON   BR2/MF
L32          15 SEA ABB=ON   PLU=ON   I2/MF
L33          11 SEA ABB=ON   PLU=ON   F2/MF
L34          67 SEA ABB=ON   PLU=ON   (L30 OR L31 OR L32 OR L33)


     FILE 'ZCAPLUS' ENTERED AT 16:11:05 ON 04 JUN 2007
L35           2 SEA ABB=ON   PLU=ON   (L34 (L) L24) AND L29
                 D SCA
L36           2 SEA ABB=ON   PLU=ON   L34 AND L29


     FILE 'REGISTRY' ENTERED AT 16:12:57 ON 04 JUN 2007
L37          95 SEA ABB=ON   PLU=ON   L5 NOT L21
L38          20 SEA ABB=ON   PLU=ON   L37 NOT L22


     FILE 'ZCAPLUS' ENTERED AT 16:14:08 ON 04 JUN 2007
L39          42 SEA ABB=ON   PLU=ON   L38 (L) L27
L40          22 SEA ABB=ON   PLU=ON   L25 AND L39
L41           2 SEA ABB=ON   PLU=ON   L40 AND L34
L42         129 SEA ABB=ON   PLU=ON   L38 (L) L24
L43           7 SEA ABB=ON   PLU=ON   L28 AND L42
L44           0 SEA ABB=ON   PLU=ON   L43 AND L34
L45           2 SEA ABB=ON   PLU=ON   L21 AND L22 AND L34
L46           4 SEA ABB=ON   PLU=ON   L41 OR L35
L47          11 SEA ABB=ON   PLU=ON   L46 OR L43


     FILE 'CASREACT, ZCAPLUS' ENTERED AT 16:22:20 ON 04 JUN 2007
L48           4 DUP REM L13 L45 (1 DUPLICATE REMOVED)
                    ANSWERS '1-3' FROM FILE CASREACT
                    ANSWER '4' FROM FILE ZCAPLUS


     FILE 'ZCAPLUS' ENTERED AT 16:22:34 ON 04 JUN 2007

     FILE 'REGISTRY' ENTERED AT 16:24:36 ON 04 JUN 2007

     FILE 'ZCA' ENTERED AT 16:24:49 ON 04 JUN 2007

     FILE 'ZCAPLUS' ENTERED AT 16:24:55 ON 04 JUN 2007
L49          10 SEA ABB=ON   PLU=ON   BUATHIER B?/AU
                 E LE ROY P/AU
L50         106 SEA ABB=ON   PLU=ON   LE ROY P?/AU
L51         403 SEA ABB=ON   PLU=ON   LEROY P?/AU
L52           1 SEA ABB=ON   PLU=ON   L49 AND (L50 OR L51)
L53           1 SEA ABB=ON   PLU=ON   L29 AND (L49 OR L50 OR L51)
L54           1 SEA ABB=ON   PLU=ON   (L25 OR L28) AND (L49 OR L50 OR L51)


     FILE 'REGISTRY' ENTERED AT 16:28:19 ON 04 JUN 2007

     FILE 'ZCAPLUS' ENTERED AT 16:28:22 ON 04 JUN 2007
                 D STAT QUE L52
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                    D STAT QUE L53
                    D STAT QUE L54
L55              1 SEA ABB=ON  PLU=ON  L52 OR L53 OR L54
L56              1 SEA ABB=ON  PLU=ON  L5 AND (L49 OR L50 OR L51)
L57              1 SEA ABB=ON  PLU=ON  L55 OR L56
                    D IALL L57 1


      FILE 'REGISTRY' ENTERED AT 16:30:14 ON 04 JUN 2007


      FILE 'ZCAPLUS' ENTERED AT 16:30:21 ON 04 JUN 2007
                    D STAT QUE L35
                    D STAT QUE L41
L58              3 SEA ABB=ON  PLU=ON  (L35 OR L41) NOT L57


      FILE 'CASREACT' ENTERED AT 16:30:54 ON 04 JUN 2007
                    D STAT QUE L13
                    D STAT QUE L20
L59              3 SEA ABB=ON  PLU=ON  (L13 OR L20)


      FILE 'CASREACT, ZCAPLUS' ENTERED AT 16:31:43 ON 04 JUN 2007
L60              6 DUP REM L59 L58 (0 DUPLICATES REMOVED)
                    ANSWERS '1-3' FROM FILE CASREACT
                    ANSWERS '4-6' FROM FILE ZCAPLUS
                    D IBIB ABS HIT L60 1-3
                    D IBIB ABS HITIND HITSTR L60 4-6


      FILE 'REGISTRY' ENTERED AT 16:33:26 ON 04 JUN 2007


      FILE 'ZCAPLUS' ENTERED AT 16:33:31 ON 04 JUN 2007
                    D STAT QUE L29
L61             15 SEA ABB=ON  PLU=ON  L29 NOT (L57 OR L58)
                    D IBIB ABS HITIND HITSTR L61 1-15



      FILE HOME


      FILE CASREACT
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      FILE CONTENT:1840 - 2 Jun 2007 VOL 146 ISS 24

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      *      CASREACT now has more than 12 million reactions    *
      *                                                        *
      **********************************************************


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      FILE REGISTRY
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2007   HIGHEST RN 936470-74-5
DICTIONARY FILE UPDATES: 3 JUN 2007   HIGHEST RN 936470-74-5

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http://www.cas.org/support/stngen/stndoc/properties.html

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 4, 2007 (20070604/UP).

FILE ZCAPLUS

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FILE LAST UPDATED: 3 Jun 2007   (20070603/ED)

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FILE ZCA

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FILE COVERS 1907 - 31 May 2007 VOL 146 ISS 24
FILE LAST UPDATED: 31 May 2007   (20070531/ED)

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